

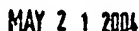
FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER FGT 223		APPLICATION NUMBER 10/805,642		
		APPLICANT(S)				
		FILING DATE 3/19/04		GROUP ART UNIT 3747		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
1/A	4,779,528	10-25-88	Bruke	—	—	
	4,926,823	5-22-90	Kishi et al	—	—	
	4,965,741	10-16-90	Cook et al	—	—	
	5,236,332	8-17-93	Satou et al	—	—	
	5,280,770	1-25-94	Satou et al	—	—	
	5,422,811	6-6-95	Togai	—	—	
	5,515,828	5-14-96	Cook et al	—	—	
	5,548,514	8-20-96	Hasegawa et al	—	—	
	5,600,056	2-4-97	Hasegawa et al	—	—	
	5,647,312	7-15-97	Salber et al	—	—	
1/A	5,669,341	9-23-97	Ushirono et al	—	—	
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
1/A	S55-49549	4-10-80	JP	—	—	
1/A	S55-29002	3-1-80	JP	—	—	
1/A	1 054 148	5-18-00	EP	—	—	
OTHER DOCUMENTS						
1/A	RONALD J. PIERIK et al, "Design and Development of a Mechanical Variable Valve Actuation System", SAE Technical Paper No. 2001-01-1221, March 6-9, 2000, pp. 1-8					
1/A	MARTIN PISCHINGER et al, "Benefits of the Electromechanical Valve Train in Vehicle Operation", SAE Technical Paper No. 2000-01-1223, March 6-9, 2000, pp. 1-11					
1/A	M.J. VAN NIEUWSTADT et al, "Air Change Estimation in Camless Engines", SAE Technical Paper No. 2001-01-0581, March 5-8, 2001, pp. 1-8					
EXAMINER H. T. No			DATE CONSIDERED 1/18/06			

FORM PTO-1449		DOCKET NUMBER		APPLICATION NUMBER 10/805,642		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT(S)				
		FILING DATE 3/19/04		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
HA	5,678,402	10-21-97	Kitagawa et al			
	5,743,221	4-28-98	Schmitz			
	5,746,183	5-5-98	Parke et al			
	5,765,514	6-16-98	Sono et al			
	5,950,603	9-14-99	Cook et al			
	6,000,376	12-14-99	Hess et al			
	6,023,929	2-15-00	Ma			
	6,039,026	5-21-00	Shiraishi et al			
	6,098,585	8-8-00	Brehob et al			
	6,116,210	9-12-00	Oder et al			
HA	6,138,636	10-31-00	Kohno et al			
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
HA	LUCIEN KOOPMANS et al, "A four Stroke Camless Engine, Operated in Homogeneous Charge Compression Ignition Mode with Commercial Gasoline", SAE Technical Paper No. 2001-01-3610, September 24-27, 2001, pp. 1-14					
HA	WOLFGANG SALBER et al, "Synergies of Variable Valve Actuation and Direct Injection", SAE Technical Paper No. 2002-01-0706, March 4-7, 2002, pp. 1-9					
HA	"Operation of the Electronic Valve Actuation, Ford EVA Project Closed Loop Engine, System Control", Manual - Preliminary Version III, March 21, 2003, and in particular pp. 6, 72, 80-84, 89-95, 104-119, and 134-218					
EXAMINER Hieu T. Vo			DATE CONSIDERED 1/18/06			

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		APPLICANT(S)				
		FILING DATE 3/19/04		GROUP ART UNIT 3748		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
RA	6,219,611	4-17-01	Russell			
	6,247,445	6-19-01	Langer			
	6,276,316	8-21-01	Arai et al			
	6,332,446	12-25-01	Matsumoto et al			
	6,336,355	1-8-02	Sasaki et al			
	6,341,584	1-29-02	Itoyama et al			
	6,349,541	2-26-02	Gruden et al			
	6,374,813	4-23-02	Iida et al			
	6,386,156	5-14-02	Stockhausen et al			
	6,390,063	5-21-02	Obata et al			
RA	6,408,806	6-25-02	Sugiyama et al			
FOREIGN PATENT DOCUMENTS						
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EXAMINER Hieu T. Vo			DATE CONSIDERED 1/18/06			

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		APPLICANT(S)					
		FILING DATE 3/19/04		GROUP ART UNIT 3748			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
HA	2002/0096139	7-25-02	Zheng	—	—		
	6,425,369	7-30-02	Arai et al	—	—		
	6,431,129	8-13-02	Hammoud et al	—	—		
	6,431,130	8-13-02	Leone et al	—	—		
	6,443,108	9-3-02	Brehob et al	—	—		
	6,453,662	9-24-02	Lewis et al	—	—		
	6,453,665	9-24-02	Bower Jr. et al	—	—		
	6,457,465	10-1-02	Lee	—	—		
	6,474,303	11-5-02	Leone et al	—	—		
	6,311,667	11-6-02	Satou et al	—	—		
HA	6,481,201	11-19-02	Kako et al	—	—		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
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EXAMINER Hieu T. Vo			DATE CONSIDERED 1/18/06				

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER	APPLICATION NUMBER 10/805,642			
		APPLICANT(S)				
		FILING DATE 3/19/04	GROUP ART UNIT 3248			
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
✓	6,484,677	11-26-02	Leone et al	—		
	6,470,853	11-29-02	Leone et al	—		
	6,497,093	12-24-02	Lewis et al	—		
	6,502,389	1-7-03	Katayama et al	—		
	2003/0015026	1-23-03	Chung	—		
	6,513,493	2-4-03	Robichaux et al	—		
	6,532,944	3-18-03	Leone et al	—		
	6,550,434	4-22-03	Leone et al	—		
	6,557,505	5-6-03	Hori	—		
	6,568,177	5-27-03	Surnilla	—		
✓	6,591,605	7-15-03	Lewis	—		
FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DA6336355TE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
OTHER DOCUMENTS						
EXAMINER	Hieu T. Vo		DATE CONSIDERED 1/18/06			



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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

(Use as many sheets as necessary)

Sheet

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of

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Application Number

10/805642

Filing Date

03/19/2004

First Named Inventor

Michellini

Art Unit

3748

Examiner Name

~~Kalite~~ Vo

Attorney Docket Number

81100238

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	H. E. T. VO	Date Considered	1/18/06
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JUN 14 2004

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

Complete if Known

Application Number	10/ 805642
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Filing Date	03/19/2004
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First Named Inventor	Kolmanovsky
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Art Unit	3748
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Examiner Name

Attorney Docket Number	81100238
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

47 Eu T. No

Date _____

Considered

1/18/05

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SHEET 1 OF 2

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER 81100238		APPLICATION NUMBER 10/805,642		
		APPLICANT(S) Lewis et al.				
		FILING DATE March 19, 2004		GROUP ART UNIT		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
<i>JA</i>	10/805,607	3-19-2004	Lewis et al.			
<i> </i>	10/805,573	3-19-2004	Lewis et al.			
<i> </i>	10/805,635	3-19-2004	Lewis et al.			
<i> </i>	10/805,615	3-19-2004	Michelini et al.			
<i> </i>	10/805,626	3-19-2004	Gibson et al.			
<i> </i>	10/805,644	3-19-2004	Winstead et al.			
<i> </i>	10/805,612	3-19-2004	Lewis et al.			
<i> </i>	10/805,606	3-19-2004	Lewis et al.			
<i> </i>	10/805,638	3-19-2004	Lewis et al.			
<i> </i>	10/805,636	3-19-2004	Lewis et al.			
<i> </i>	10/805,639	3-19-2004	Lewis et al.			
<i> </i>	10/805,657	3-19-2004	Lewis et al.			
<i> </i>	10/805,625	3-19-2004	Lewis et al.			
<i> </i>	10/805,613	3-19-2004	Lewis			
<i>JA</i>	10/805,575	3-19-2004	Lewis et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER <i>Heu T. VO</i>			DATE CONSIDERED <i>1/18/06</i>			



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO		Complete if Known	
		Application Number	10/805,642
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	March 19, 2004
		First Named Inventor	Ilya V. Kolmanovsky
		Art Unit	3748
		Examiner Name	John R. Vo H. Vo
		Attorney Docket Number	81100238
Sheet	1	of	5

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
H		US- 3828247	08-06-1974	Kirsch et al.	_____
		US- 3865088	02-11-1975	Links	_____
		US- 4009695	03-01-1977	Ule	_____
		US- 4976228	12-11-1990	Kawamura	_____
		US- 4990854	02-05-1991	Friz	_____
		US- 5117790	06-02-1992	Clarke et al.	_____
		US- 5190013	03-02-1993	Dozier	_____
		US- 5408958	04-25-1995	Esch et al.	_____
		US- 5442515	08-15-1995	Wallaert	_____
		US- 5596956	01-28-1997	Ogawa et al.	_____
		US- 5617829	04-08-1997	Bidner et al.	_____
		US- 5636601	06-10-1997	Moriya et al.	_____
		US- 5930992	08-03-1999	Esch et al.	_____
		US- 5934231	08-10-1999	Schmitz et al.	_____
		US- 5957095	09-28-1999	Kako	_____
		US- 5992153	11-30-1999	Tsuchihashi et al.	_____
		US- 6050231	04-18-2000	Tisch et al.	_____
		US- 6062186	05-16-2000	Barnes et al.	_____
		US- 6109225	08-29-2000	Ogita et al.	_____

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ ~Number ⁴ ~Kind Code ⁵ (if known)				

Examiner Signature	H. Vo	Date Considered	8/18/06
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Application Number	10/805,642
Filing Date	March 19, 2004
First Named Inventor	Ilya V. Kolmanovsky
Art Unit	3748
Examiner Name	John R. V. Vo
Attorney Docket Number	81100238

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HA		US- 6178934	01-30-2001	Hirasawa et al.	_____
		US- 6192857	02-27-2001	Shimada	_____
		US- 6202608	03-20-2001	Yamaki et al.	_____
		US- 6216652	04-17-2001	Gramann et al.	_____
		US- 6332445	12-25-2001	Voss et al.	_____
		US- 6333843	12-25-2001	Boie et al.	_____
		US- 6363907	04-02-2002	Arai et al.	_____
		US- 6367437	04-09-2002	Nakamura et al.	_____
		US- 6374783	04-23-2002	Toriumi	_____
		US- 6382193	05-07-2002	Boyer et al.	_____
		US- 6389806	05-21-2002	Glugla et al.	_____
		US- 6390038	05-21-2002	Di Lieto et al.	_____
		US- 6397813	06-04-2002	Han et al.	_____
		US- 6401684	06-11-2002	Hori et al.	_____
		US- 6415601	07-09-2002	Glugla et al.	_____
		US- 6422185	07-23-2002	Duesmann et al.	_____
		US- 6460500	10-08-2002	Ooyama et al.	_____
		US- 6505113	01-07-2003	Eichenseher et al.	_____
		US- 6526745	03-04-2003	Ogiso	_____

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Examiner Signature	Hieu T. Vo	Date Considered	1/18/06
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**INFORMATION DISCLOSURE
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Sheet 3 of 5

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Application Number	10/805,642
Filing Date	March 19, 2004
First Named Inventor	Ilya V. Kolmanovsky
Art Unit	3748
Examiner Name	K. J. ... Vo
Attorney Docket Number	81100238

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
VA		US- 6546910	04-15-2003	Tanaka et al.	
		US- 6550240	04-22-2003	Kolmanovsky et al.	
		US- 6553961	04-29-2003	Hammoud et al.	
		US- 6619245	09-16-2003	Fujiwara et al.	
		US- 6637386	10-28-2003	Murata et al.	
		US- 6647947	11-18-2003	Boyer et al.	
		US- 6681173	01-20-2004	Turner et al.	
		US- 6718928	04-13-2004	Brueggen et al.	
		US- 6736121	05-18-2004	Gopichandra	
		US- 6763707	07-20-2004	Kumagai et al.	
		US- 6766641	07-27-2004	Sumilla et al.	
		US- 6772723	08-10-2004	Aoki et al.	
		US- 6785603	08-31-2004	Inoue	
		US- 2002/0038541	04-04-2002	Sumilla et al.	
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		US- 2004/0083719	05-06-2004	Xu et al.	
		US- 2004/0103867	06-03-2004	Hayase et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
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Examiner Signature	Lieu T. Vo	Date Considered	1/18/06
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/805,642
				Filing Date	March 19, 2004
				First Named Inventor	Ilya V. Kolmanovsky
				Art Unit	3747
				Examiner Name	K. P. B. B. B. V6
Sheet	4	of	5	Attorney Docket Number	81100238

[illegible][illegible]

Examiner Signature	Heu T. Vo	Date Considered	1/18/06
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

5

of

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HA		KLUTING, FLIERL, GRUDNO and LUTTERMANN; MTZ Magazine, August 1999, "Drosselfreie Laststeuerung miy vollvariablen Ventiltrieben"	✓

Examiner
Signature

Hieu T. Vo

Date
Considered

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